

PIRSF
11.3.18.1 V9

Material Safety Data Sheet

WHMIS	Protective Clothing	TDG Road/Rail

Section I: Product Identification and Uses

Common/Trade name	Sodium sulphite 92%	CI#	Not applicable.
Synonyms	Not available.	DSL	CEPA DSL: Sodium sulphite 92%
Chemical name	Sodium sulphite, anhydrous	CAS#	7757-83-7
Chemical formula	Na ₂ SO ₃	Code	Q023
Chemical family	Inorganic salt. (Salt)	Molecular weight	126.04 g/mole
Supplier	<p>QUADRA CHEMICALS LTD. 370, boul. Joseph-Carrier Vaudreuil-Dorion QC J7V 5V5 Tel: (450)424-0161, Fax: (450)424-9458</p> <p>1100, Blair Road Burlington ON L7M 1K9 Tel: (905)336-9133, Fax: (905)336-9263</p> <p>7930, Vantage Way Delta BC V4G 1A8 Tel: (604)940-2313, Fax: (604)940-1626</p> <p>12835 - 146th Street Edmonton AB T5L 2H6 Tel: (403) 451-9222, Fax: (403) 451-1084</p>	Manufacturer	Mitsuya Boeki Ltd.
Material uses	Paper industry: Pulping and pulp bleaching agent. Antichlor after bleaching of paper and textiles.		

Section IA: First Aid Measures

Eye contact	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. Seek immediate medical attention.
Skin contact	Remove contaminated clothing. Wash contaminated skin with soap and water. Rinse thoroughly with flowing water for at least 15 minutes. Seek medical attention if irritation persists or develops.
Hazardous skin contact	No additional information.
Slight inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous inhalation	No additional information.
Slight ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Give water or milk. Seek immediate medical attention.
Hazardous ingestion	No additional information.

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Section II. Hazardous Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
No hazardous ingredient.				

Section III. Physical Data

Physical state and appearance	Solid. (Free-flowing crystals.)	Odor	Odourless.
pH (1% soln/water)	9 to 11 [Basic.] (100 g/l H ₂ O)	Taste	Not available.
Odor threshold	Not available.	Color	White.
Volatility	Not available.		
Melting/Freezing point	Decomposes.		
Boiling/Condensation point	Not available.		
Specific gravity	2.6 (Water = 1). Bulk density: 0.8 - 1.0		
Vapor density	Not available.		
Vapor pressure	Not available.		
LogK _{ow}	Not available.		
Ionicity (surface active agent)	Not available.		
Critical temperature	Not available.		
Instability temperature	Not available.		
Conditions of instability	No additional remark.		
Dispersion properties	Not available.		
Solubility	220 g/l. Water insolubles: 0.2% Ca, Mg, Al.		

Section IV: Fire and Explosion Data

The product is:	Non-flammable.
Auto-ignition temperature	Not applicable.
Fire degradation products	Oxides of sulphur fumes (SOx) emitted when heated to decomposition.
Flash points	Not applicable.
Flammable limits	Not applicable.
Fire extinguishing procedures	Water fog, carbon dioxide (CO2), foam or dry chemical. Wear NIOSH approved self-contained breathing apparatus (SCBA) when either in confined areas or exposed to combustion products. Water may be inefficient or may cause frothing. Use water spray to cool fire exposed containers.
Flammability	Not applicable.
Risks of explosion	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials. Excessive temperature may cause product to decompose.

Section V: Reactivity Data

Stability	The product is stable.
Hazardous decomp. products	Sulphur dioxide (SO2).
Degradability	Not available.
Products of degradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The products of degradation are less toxic than the product itself.
Corrosivity	No specific information is available in our database regarding the corrosivity of this product in presence of various materials.
Reactivity	Avoid contact with strong acids and oxidizing agents. Liberates sulphur dioxide in presence of strong acids.

Section VI: Toxicological Properties



Routes of entry	Skin contact. Eye contact. Inhalation. Ingestion.
TLV	OSHA PEL: 15mg/m ³ total dust. ACGIH TLV: 10mg/m ³ total dust. Consult local authorities for acceptable exposure limits.
Toxicity for animals	Acute oral toxicity (LD50): 2610 mg/kg [Rat].
Chronic effects on humans	CARCINOGENIC EFFECTS: No known ingredients occurring at greater than 0.1% are listed as a carcinogen on IARC, NTP and OSHA lists. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, skin, eyes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
Acute effects on humans	EYES - May cause mild irritation. SKIN - Prolonged exposure may cause mild irritation. INGESTION - Oral exposure or swallowing may produce gastrointestinal upset, nausea or vomiting. Ingestion may be fatal. Sulphite sensitive individuals may experience a severe allergic reaction. INHALATION - May cause irritation of the respiratory tract. Sulphite sensitive individuals may experience a severe allergic reaction.

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Section VII. Preventive Measures

Waste information	Not available.
Waste stream	Not available.
Storage	Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room. Avoid dust generation. Store away from incompatible materials.
Precautions	Keep locked up. DO NOT ingest. DO NOT breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
Small spill and leak	Use appropriate tools to put the spilled acid in a convenient waste disposal container. If necessary, Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Disposal shall be in accordance to all applicable waste regulations.
Large spill and leak	Our database contains no additional information in case of a spill and/or a leak of the product. Use a shovel to put the material into a convenient waste disposal container. Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Disposal shall be in accordance to all applicable waste regulations.
Protective clothing	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section VII. Classification

TDG road / rail	Not controlled under TDG (Canada).	
	Not applicable.	
Maritime transportation	Not available.	
WHMIS	Not controlled under WHMIS (Canada).	
Federal and provincial regulations	CEPA DSL: Sodium sulphite 92%	

Section IX. Protective Measures

Protective clothing	Safety glasses. Lab coat.	
Engineering controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.	

Section X. Other Information

References	-Manufacturer's Material Safety Data Sheet.
No additional remark.	
Validated by Denise Waldhart on 01/19/99.	Verified by Denise Waldhart. Printed 02/24/99.

EMERGENCY - 24HRS/DAY

EASTERN CANADA / PHILIP ENVIRONMENTAL - CALL 1-800-567-7455

ALBERTA, SASKATCHEWAN, MANITOBA - CALL (403) 472-6766

BRITISH COLUMBIA / CEDA REACTOR - CALL (604) 540-4100

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